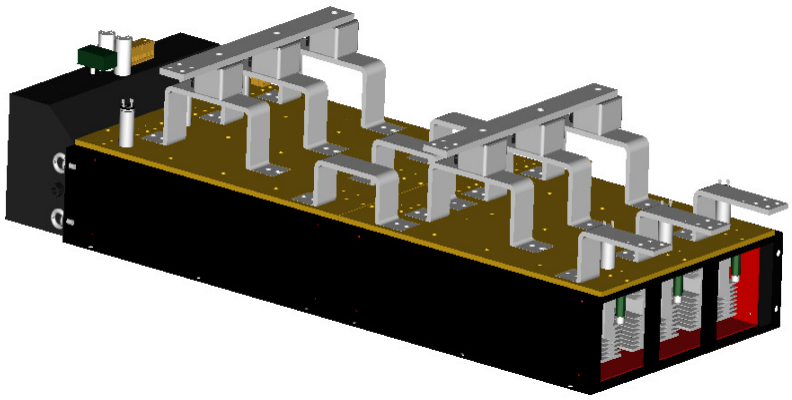
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# GOB9xx18

## BI-DIRECTIONAL
## THREE PHASE AC-DC BRIDGE

Fuse protection
Blown fuse indicators with microswitch
Over temperature switches
Fan loss detection circuit
Snubber for SCR's protections
Extractible stacks for easy field service

**LINE VOLTAGE UP TO 690V**

**DC OUTPUT CURRENT 1800 A**

| | GOB94018 | GOB95018 |
|---|---|---|
| Line to line voltage | **400 V** | **500 V** |

| Characteristic | | Conditions | Value | Value | |
|---|---|---|---|---|---|
| $I_{DC}$ | DC output current | | 1800 A | 1800 A | |
| $V_{INS}$ (rms) | Insulation voltage | | 3000 V | 3000 V | |
| | | | | | |

### THYRISTOR CHARACTERISTICS

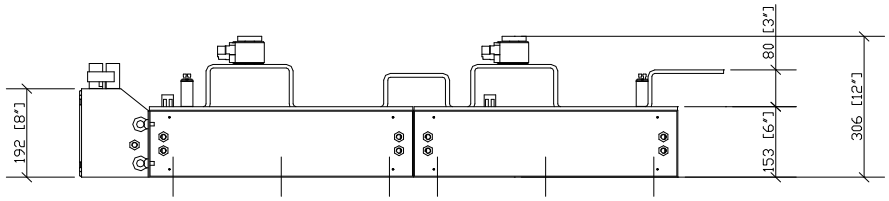
| | | | | | |
|---|---|---|---|---|---|
| $V_{GT}$ | Gate trigger voltage | $T_j$ = 25 °C, $V_D$ = 5 V | 3 V | 3 V | |
| $I_{GT}$ | Gate trigger current | $T_j$ = 25 °C, $V_D$ = 5 V | 300 mA | 300 mA | |
| dV/dt | Critical rate of rise off-state voltage | Tj= 125 °C | 1000 V/us | 1000 V/us | |
| VRRM | Blocking Voltage | Tj = 125 °C | 1200 V | 1600 V | |

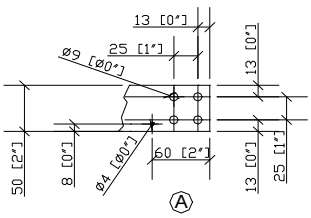
### FUSE TYPE SIBA 2068132.1250

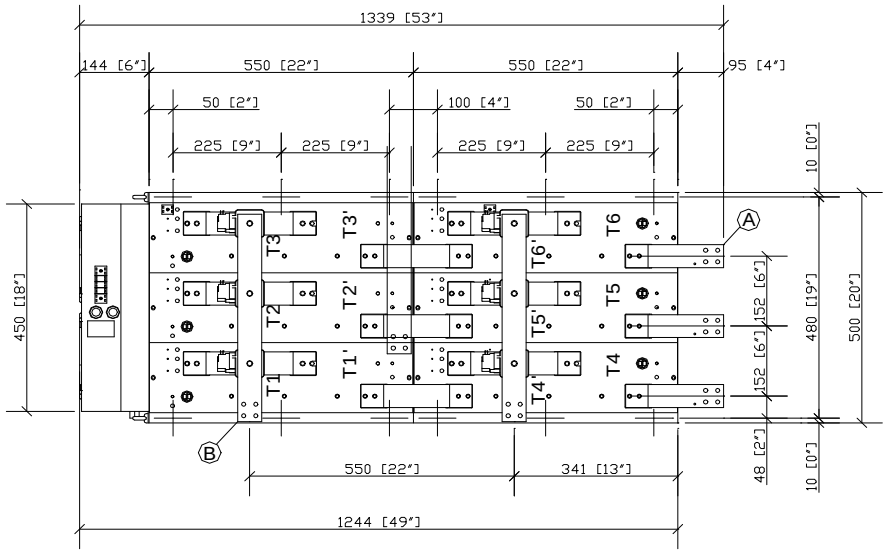
| | | | | | |
|---|---|---|---|---|---|
| $V_{NF}$ | Rated voltage | | 690 V | 690 V | |
| $I_{NF}$ | Rated current | | 1250 A | 1250 A | |
| $P_{VF}$ | Power loss | At rated current | 147 W | 147 W | |
| $I^2t$ | Total $I^2t$ | At 660V | 1750 $kA^2s$ | 1750 $kA^2s$ | |
| | | | | | |

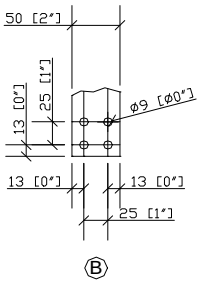
### MECHANICAL AND THERMAL CHARACTERISTICS

| | | | | | |
|---|---|---|---|---|---|
| | Width | | 500 mm | 500 mm | |
| | Depth | | 375 mm | 375 mm | |
| | Height | | 1405 mm | 1405 mm | |
| | Mass | | 130 kg | 130 kg | |
| Ta max | Max amb. op. Temp. | | 40 °C | 40 °C | |
| Tstg | Storage temperature | | -40/60 °C | -40/60 °C | |
| | | | | | |



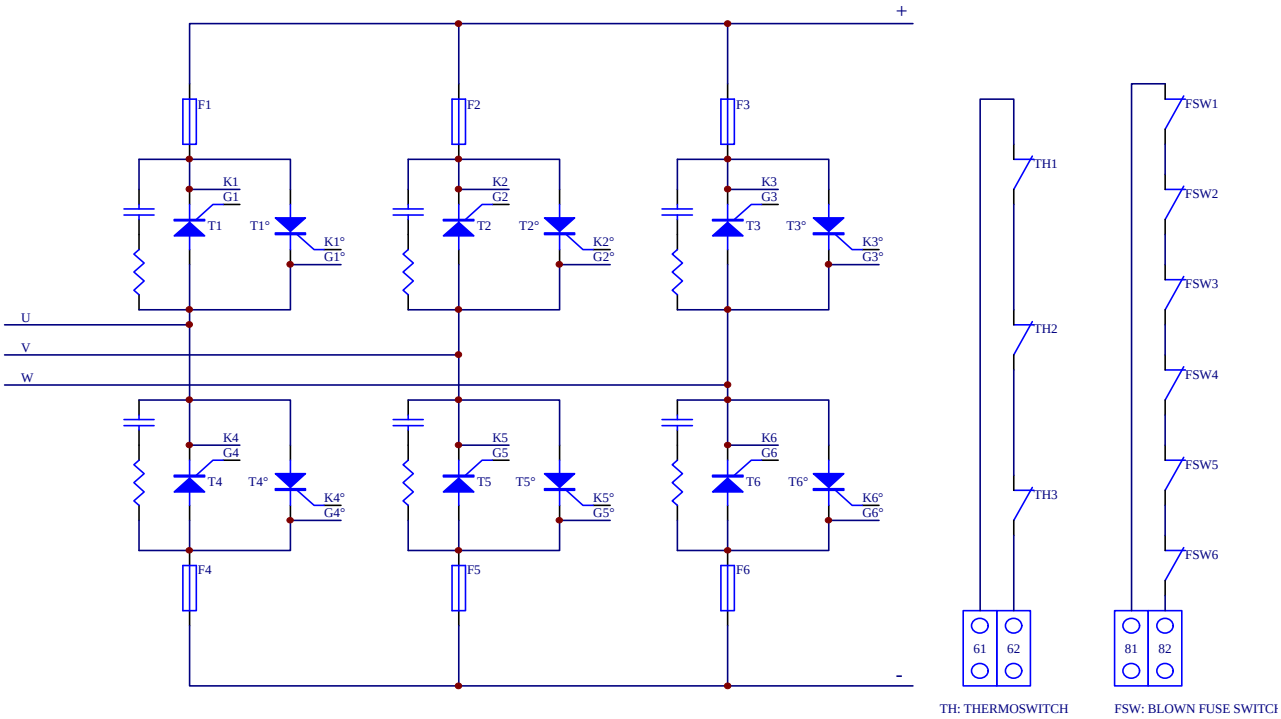




The part numbering system is reported at the beginning of the Open Assembly section.

Customisations are available on request. Please contact factory.

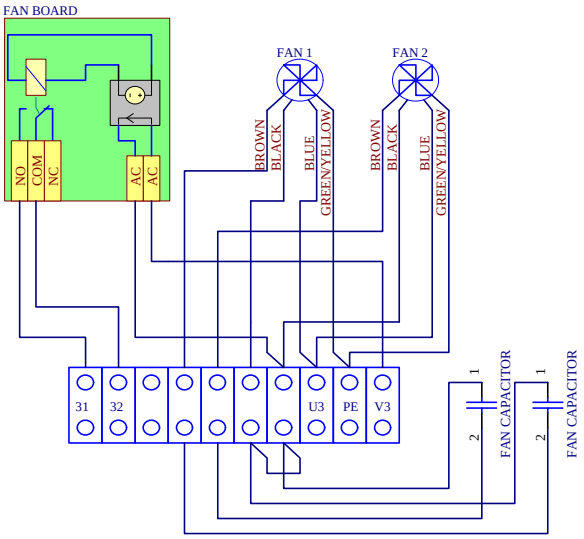
In the interest of product improvement Green Power Solutions reserves the right to change any specification given in this data sheet without notice.




TH: THERMOSWITCH

FSW: BLOWN FUSE SWITCH

61-62: THERMOSWITCH CIRCUIT CONNECTION
81-82: BLOWN FUSE SWITCH CIRCUIT CONNECTION




U3-V3: MAIN SUPPLY
PE: GROUND CONNECTION (GND)
31-32: FAN BOARD CONTACT (CLOSED WHEN FAN RUNNING)

**Cooling:**

| | |
|---|---|
| Fan type: | single phase axial |
| Number of fans: | 2 |
| Voltage: | 230 V |
| Current: | 0.4 A |
| Frequency: | 50/60 Hz |
| Noise: | 62 dBA |

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